

# Float switch

## Series Miniature-Float switch

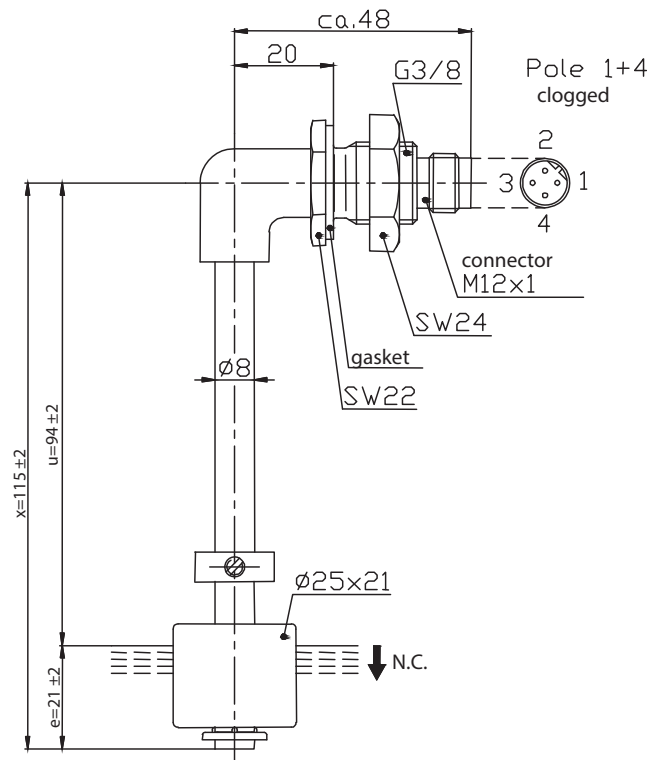
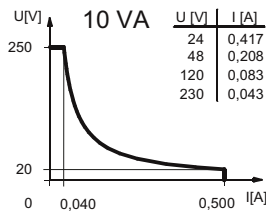
Description **MSK1-PVC-WR3/8ST-0 0115**

Article number **6891313022**

### Wiring diagram (non-actuated state)



### Performance diagram



### Electrical data

Rated voltage	$U_r$	250 V
max. switching current		0,5 A
max. switching capacity		10 VA
Rated insulation voltage	$U_i$	300 V AC
Rated impulse withstand voltage	$U_{imp}$	4 kV AC
Overvoltage category		II
mechanical life		$10^7$ to $10^9$ switches
Switching element		1 N.C., falling level
Protection class		II (totally insulated)

Mechanical data	
Terminal box material	PVC
Switching tube material	PVC
Float material	PP
- density	about 0,55 g/cm <sup>3</sup> ±10 %
- depth of immersion	12 mm ± 2 mm ( to a fluid-density of 1 g/cm <sup>3</sup> )
Grip screw material	PVC
Adjusting ring material	PVC
Gasket material	NBR
Ambient air temperature	-5 °C to +60 °C
Liquid temperature	-5 °C to +60 °C
Connection	Connector M12 x 1, 4-pole (Pole 1 and 4 clogged)
Protection type	IP 65 acc to IEC529 / EN 60529 (only in fully locked position with it's plugs)
Max. pressure	5 bar

Standards
DIN EN 60947-5-1

EU Conformity
acc. to directive 2014/35/EU

**General details**

The measures of the switching points refer to a fluid-density of 1 g/cm<sup>3</sup>.  
 The tolerance of the switching points is ±2 mm  
 Pay attention to the contact protection, when switching inductive or capacitive loads. Maximum data must not be exceeded!

**Inductive loads**

Direct current

Suppression of voltage peaks with a free-wheeling diode

Alternating voltage

Suppression of voltage peaks with a VDR

Suppression of voltage peaks with an RC element

**Capacitive loads and lamp loads**

Contact protection with resistors for limiting current